

Title (en)  
HAIRDYE PREPARATION

Title (de)  
HAARFÄRBEZUBEREITUNG

Title (fr)  
PREPARATION DE TEINTURE CAPILLAIRE

Publication  
**EP 1712218 A4 20090304 (EN)**

Application  
**EP 05709621 A 20050202**

Priority  
• JP 2005001501 W 20050202  
• JP 2004026621 A 20040203

Abstract (en)  
[origin: EP1712218A1] In order to provide a cumulatively dying hair color which does not require washing of the hair immediately after used and by which the hair is gradually dyed with repeating of use, the hair color comprises 0.5 to 8 % by weight of a basic dye as a coloring agent, 0. 5 to 15 % by weight of an alcohol-soluble acryl base resin, 20 to 80 % by weight of a lower alcohol and 5 to 50 % by weight of water. The above constitution provides a hair color which is excellent in a cumulative dying property and usability and which has excellent water resistance against sweat and rain in a hot and humid period such as a summer season.

IPC 8 full level  
**A61K 8/18** (2006.01); **A61K 8/41** (2006.01); **A61K 8/49** (2006.01); **A61K 8/81** (2006.01); **A61Q 5/06** (2006.01)

CPC (source: EP US)  
**A61K 8/411** (2013.01 - EP US); **A61K 8/415** (2013.01 - EP US); **A61K 8/494** (2013.01 - EP US); **A61K 8/8152** (2013.01 - EP US);  
**A61Q 5/065** (2013.01 - EP US)

Citation (search report)  
• [XDY] JP 2003246714 A 20030902 - KANEBO LTD  
• [Y] JP 2003342137 A 20031203 - NIKKO CHEMICAL CO LTD, et al  
• [YD] EP 1238648 A1 20020911 - MITSUBISHI PENCIL CO [JP]  
• [A] US 5693313 A 19971202 - SHIRAISHI KATSUHIKO [JP], et al  
• [A] US 2003091602 A1 20030515 - WITTELER HELMUT [DE], et al  
• [A] US 6479057 B2 20021112 - ALLWOHN JUERGEN-ANDREAS [DE], et al & JP 2001172141 A 20010626 - MITSUBISHI PENCIL CO  
• See references of WO 2005074874A1

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Designated contracting state (EPC)  
DE FR GB

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**EP 1712218 A1 20061018; EP 1712218 A4 20090304; EP 1712218 B1 20111123**; JP 2011116777 A 20110616; JP 4716877 B2 20110706;  
JP WO2005074874 A1 20070913; US 2007130701 A1 20070614; US 7503939 B2 20090317; WO 2005074874 A1 20050818

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**EP 05709621 A 20050202**; JP 2005001501 W 20050202; JP 2005517703 A 20050202; JP 2011048895 A 20110307; US 58829905 A 20050202